

AGILENT TECHNOLOGIES
Legal Department, M/S DL429
Intellectual Property Administration
P.O. Box 7599
Loveland, CO 80537-0599

PATENT APPLICATION

1c978 U.S. PTO
09/993025
11/06/01

IN THE
UNITED STATES PATENT AND TRADEMARK OFFICE

INVENTOR(S): Gregory Steven Lee; Roger Lee Jungerman

CASE: 10010562-1

SUBJECT: INCREASED WAVELENGTH COVERAGE IN NONLINEAR OPTICS
BY NONUNIFORMLY CHIRPED QUASI-PHASE-MATCHING

THE ASSISTANT COMMISSIONER OF PATENTS
WASHINGTON, D.C. 20231

SIR:

INFORMATION DISCLOSURE STATEMENT

Applicant is herewith enclosing a Form PTO-1449 and two references.

Moshe Nazarathy and D. W. Dolfi, "Spread-spectrum nonlinear-optical interactions: quasi-phase matching with pseudorandom polarity reversals", *Optics Letters*, Vol. 12, page 823, October 1987, pp. 823-825, and Martin M. Fejer, et al., "Quasi-Phase-Matched Second Harmonic Generation: Tuning and Tolerances", *IEEE Journal of Quantum Electronics*, Vol. 28, No. 11, November 1992, pp. 2631-2654 give background information on a prior art implementations of quasi-phase matching (QPM) systems.

Respectfully Submitted,

By Douglas L. Weller
Douglas L. Weller
Attorney for Applicant
Reg. No. 30,506
Date: November 5, 2001
Telephone: (408) 985-0642

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PATENT APPLICATION
ATTORNEY DOCKET NO. 10010562-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
Patent Application Transmittal Letter

ASSISTANT COMMISSIONER OF PATENTS
WASHINGTON, D.C. 20231

Sir:

Transmitted herewith for filing under 37 CFR 1.53(b) is a(n): ☒ Utility ☐ Design
☒ original patent application
☐ continuing application,
☐ continuation-in-part application
☐ continuation or ☐ divisional
of _____ filed _____.

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09/993025
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INVENTOR(S): Gregory Steven Lee; Roger Lee Jungerman

TITLE: INCREASED WAVELENGTH COVERAGE IN NONLINEAR OPTICS BY
NONUNIFORMLY CHIRPED QUASI-PHASE-MATCHING

Enclosed are:

- ☒ 15 pages of Specification, Claims and Abstract
- ☒ Declaration and Power of Attorney. ☒ signed ☐ unsigned ☐ partially signed
- ☒ Six Sheets of Formal Drawings (one set)
- ☒ Information Disclosure Statement, including Form PTO-1449 and 2 references
- ☐ Priority Documents ☐ Other _____ (fee\$ _____)

| CLAIMS FOR OTHER THAN A SMALL ENTITY | | | | |
|---|---------------------|---------------------|-------------|-------------|
| (1) FOR | (2) NUMBER FILED | (3) NUMBER EXTRA | (4) RATE | (7) FEES |
| TOTAL CLAIMS | 18 | 0 | X \$18 | \$ |
| INDEP. CLAIMS | 3 | 0 | X \$84 | \$ |
| MULTIPLE DEPENDENT CLAIMS | | | \$280 | \$ |
| BASIC FEE: DESIGN (\$ 330); UTILITY (\$740) | | | | \$ 740 |
| TOTAL FILING FEE | | | | |
| OTHER | | | | |
| TOTAL CHARGES TO DEPOSIT ACCOUNT | | | | \$ 740 |

CHARGE \$ 740.00 to Deposit Account 50-1078. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 50-1078 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 50-1078 under 37 CFR 1.16, 1.17, 1.19, 1.20 and 1.21. A duplicate copy of this sheet is enclosed.

"Express Mail" label no. EF332516814US

Date of Deposit: November 6, 2001

I hereby certify that this is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Assistant Commissioner of Patents, Washington, D.C. 20231.

By Douglas L. Weller
Typed Name: Douglas L. Weller

Respectfully Submitted

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